

# PILOT-SIGNAL POWER CONTROL FOR COMMUNICATION SYSTEMS USING LOW-ORBIT SATELLITES

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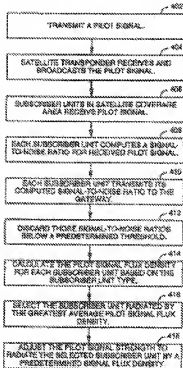
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## Abstract of RU 2188506 (C2)

satellite communication systems. SUBSTANCE: system and method are proposed for controlling power of shared-resource signal transmitted by satellite repeater in satellite communication system. System has gateway-station for transmitting communication signals including shared-resource signal, satellite repeater for signal transmission to at least one subscriber's facility such as telephone set, and at least one subscriber's facility for signal reception. Method involves shared-resource signal reception by each subscriber's facility through satellite repeater, measurement of signal power in each subscriber's facility for shared-resource signal received, transmission of data on signal power to gateway, and power control of shared-resource signal transmitted by satellite repeater based on signal power. EFFECT: enhanced reliability of shared-resource signal power control. 6 cl, 4 dwg



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